AMENDMENTS TO THE CLAIMS

Kindly amend the claims as follows:

- 1. (original): An apparatus for the release of an active fluid agent comprising:
 - a reservoir of active agent;
 - a compound selective polymer in proximity to said reservoir;
 - a release orifice in said reservoir, said compound selective polymer experiencing a change of shape upon detection of a target compound, said change of shape exerting pressure on said reservoir causing said active agent to exit said reservoir through said orifice.
- 2. (original): The apparatus of claim 1 wherein said change of shape is an expansion.

- 3. (original): The apparatus of claim 1 wherein said change of shape is a contraction.
- 4. (original): The apparatus of claim 1 wherein said compound selective polymer is a polystyrene.
- 5. (currently amended): The apparatus of claim 1 wherein said compound selective polymer is a [polyalphmethylstyrene] polyalphamethylstyrene.
- 6. (currently amended): An apparatus for the release of an active fluid agent comprising:

means for holding a quantity of an active fluid agent;

means for releasing said active fluid agent into a surrounding environment upon detection of a presence of a predetermined target compound, said means for releasing said active fluid agent comprising a compound selective polymer, said means for releasing said active fluid causing pressure on said means for holding in the presence of said predetermined target compound.

- 7. (currently amended): The apparatus of claim 6 wherein said means for [releasing] holding said active fluid agent further comprises an orifice.
- 8. (original): The apparatus of claim 6 wherein said means for releasing said active fluid agent is a polystyrene.
- 9. (original): The apparatus of claim 6 wherein said means for releasing said active fluid agent is a polyalphamethylstyrene.
- 10. (currently amended): A method for releasing [a] an active fluid agent into an environment upon detection of a target compound comprising the steps of:

storing an active fluid agent in a polymer reservoir;

said polymer reservoir expanding or contracting in a presence of a target compound; said expansion or contraction expelling a portion of said active fluid agent into said environment.

- 11. (original): The method of claim 10 wherein said polymer
 is a polystyrene.
- 12. (original): The method of claim 10 wherein said polymer is a polyalphamethylstyrene.
- 13. (original): The method of claim 10 wherein said active agent is a perfume compound.
- 14. (currently amended): An apparatus for releasing a sweet smelling compound into surrounding air in a room where odors are generated comprising a reservoir containing a volume of the sweet smelling compound, the reservoir being made from a [special] polymer which detects certain [order] odor causing compounds and contracts or expands in their presence, this contraction or expansion pushing the sweet smelling compound out of a small hole in the reservoir when [the] one of the [odder] odor causing compounds is present.
- 15. (original): The apparatus of claim 14 where the sweet smelling compound is a perfume.

- 16. (currently amended): The apparatus of claim [15] $\underline{14}$ where the special polymer is a polystyrene.
- 17. (currently amended): The apparatus of claim [15] $\underline{14}$ where the special polymer is a polyalphamethylstyrene.